

ATTORNEYS AT LAW



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmand Eric K. Steffe Michael Q. Lee Steven R. Ludwig Robert C. Millonia Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger tudith U. Kim Timothy J. Shea, Ir. Patrick E. Garrett Heidi L. Kraus Edward W. Yee Peter A. Jackman Molly A. McCall Jeffrey S. Weaver Kendrick P. Pattersor Eldora Ellison Floyd

Kimberly N. Reddick Theodore A. Wood Elizabeth J. Haanes G. Maze

Bruce E. Chalker Joseph S. Ostroff Frank R. Cottingham Christine M. Lhuller Rae Lynn Prengama Jane Shershenovich Lawrence J. Carroll\*

LuAnne M. Yuricek\* John J. Figueroa Ann E. Summerfield

Registered Patent Agents
Karen R. Markowicz Nancy J. Leith Helene C. Carlson Gaby L. Longsworth Matthew J. Dowd Angelique G. Uy Mary B. Tung Katrina Y. Pei Bryan L. Skelton Robert A. Schwartzman Timothy A. Doyle Jennifer R. Mahalingappa

Of Counsel
Kenneth C. Bass III

\*Admitted only in Maryland \*Admitted only in Virginia •Practice Limited to Federal Agencies

May 28, 2003

WRITER'S DIRECT NUMBER: (202) 772-8560 **INTERNET ADDRESS:** RESMOND@SKGF.COM

Group Art Unit 1635

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Appl. No. 09/438,365; Filed: November 12, 1999

**New Transfection Reagents** For:

Inventors:

Chu et al.

Our Ref:

0942.4650001/RWE/THN

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Seventh Supplemental Information Disclosure Statement;
- 2. Form PTO-1449 (52 sheets);
- 3. Copies of one hundred ninety-one (191) cited documents;
- 4. Eight Supplemental Information Disclosure Statement;
- 5. Form PTO-1449 (42 sheets);
- 6. Copies of one hundred sixty-one (161) cited documents; and
- 7. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox P.L.L.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skqf.com

Commissioner for Patents May 28, 2003 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

Enclosures

SKGF\_DC1:137189.1





#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Chu et al.

Appl. No. 09/438,365

Filed: November 12, 1999

For: New Transfection Reagents

Confirmation No. 9217

Art Unit:

1635

Examiner:

Epps, Janet L.

Atty. Docket: 0942.4650001/RWE/THN

#### **Seventh Supplemental Information Disclosure Statement**

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Seventh Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Third Information Disclosure Statement filed October 11, 2001, and First Supplemental Information Disclosure Statement filed March 16, 2000, in connection with the above-captioned application. A copy of each document is also provided.

In accordance with 37 C.F.R. 1.98(a)(3), Applicants' undersigned representative submits the following concise explanation of the relevance of the non-English language documents, Documents AN4, AO4, AN5, AL6, AL7, AM7, AO7, AN8, AO10, and AT23 cited on Form PTO-1449:

Document AN4, EP 0 304 111 B1, is in the German language. The relevance of Document AN4 can be ascertained by reference to the English language claims appearing therein, and an English language abstract attached as Document AT54;

Document AO4, WO 91/04688 A1, is in the French language. The relevance of Document AO4 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AR55;

Document AN5, DD 290 877 A5, is in the German language. An English language abstract of document AN5 is attached as Document AS55;

Document AL6, WO 92/13570 A2, is in the German language. The relevance of Document AL6 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AT55;

Document AL7, WO 93/07282 A1, is in the German language. The relevance of Document AL7 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AR56;

Document AM7, WO 93/07283 A1, is in the German language. The relevance of Document AM7 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AS56;

Document AO7, EP 0 544 292 A2, is in the German language. An English language abstract of document AO7 is attached as Document AT56;

Document AN8, WO 94/23751 A1, is in the German language. The relevance of Document AN8 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AR57;

Document AO10, WO 96/31549 A1, is in the German language. The relevance of Document AO10 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AS57;

Document AT23, Hetschko, M., and Gosselck, J., "Reaktionen von sulfoniumsalzen des 1,3-dithiolans und seiner 2,2-substitutionsprodukte," Tetrahedron Lett. 17:1691-1692, (1972), is in the German language. An English language abstract of document AT23 is attached as Document AS54.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings

Chu *et al.* Appl. No. 09/438,365

- 3 -

purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Seventh Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

This Seventh Supplemental Information Disclosure Statement is the fourth of five Supplemental Information Disclosure Statements filed on the same day. Three of the Supplemental Information Disclosure Statements are electronic and two are non-electronic. It is believed that only one fee under 37 C.F.R. § 1.17(p) is required to cover all submissions. That fee is included with the Fourth Supplemental Information Disclosure Statement, *i.e.* the first electronic submission, since it is expected to be processed first.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

Date: May 28, 2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934

(202) 371-2600

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IN THE UNITED STATES PATENT AND TRADEMARK OF FIGURE 1600/2900

In re application of:

Chu et al.

Appl. No. 09/438,365

Filed: November 12, 1999

For: New Transfection Reagents

Confirmation No. 9217

Art Unit:

1635

Examiner:

Epps, Janet L.

Atty. Docket: 0942.4650001/RWE/THN

#### **Eighth Supplemental Information Disclosure Statement**

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Eighth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Seventh Supplemental Information Disclosure Statement filed herewith in connection with the above-captioned application. A copy of each document is also provided.

In accordance with 37 C.F.R. 1.98(a)(3), Applicants' undersigned representative submits the following concise explanation of the relevance of the non-English language documents, Documents AO12, AN14, AP14, AL15 and AT76 cited on Form PTO-1449:

Document AO12, WO 93/08130 A1, is in the French language. The relevance of Document AO12 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AS96;

Document AN14, DE 44 11 588 C1, is in the German language. An English language abstract of document AN14 is attached as Document AT96;

Document AP14, DE 44 11 594 C1, is in the German language. An English language abstract of document AP14 is attached as Document AR97;

Document AL15, WO 96/08723 A1, is in the German language. The relevance of Document AL15 can be ascertained by reference to the English language abstract appearing therein, and an English language abstract attached as Document AS97;

Document AT76, Kondakova, N.V., et al., "Effect of Low-molecular Amines on the Conformation and Stability of the Double Helix," Mol. Biol. (Mosk.) 9:742-746, (1975), is in the Russian language. An English language translation of document AT76 is attached as Document AR77.

The Examiner is referred to the following list of related, co-pending patent applications:

- U.S. Patent Application No. 09/266,935, filed March 12, 1999, inventors Li *et al.*, submitted herewith as Document AT97;
- U.S. Patent Application No. 09/570,526, filed May 12, 2000, inventors Astatke *et al.*, submitted herewith as Document AR98;
- U.S. Patent Application No. 09/608,066, filed June 30, 2000, inventors Astatke *et al.*, submitted herewith as Document AS98;

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Although a diligent effort was made, the publication date could not be determined for Document AT74. The publisher estimates the publication date to be June 1996. For all other documents, Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Eighth Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

This Eighth Supplemental Information Disclosure Statement is the fifth of five Supplemental Information Disclosure Statements filed on the same day. Three of the Supplemental Information Disclosure Statements are electronic and two are non-electronic. It is believed that only one fee under 37 C.F.R. § 1.17(p) is required to cover all submissions. That fee is included with the Fourth Supplemental Information Disclosure Statement, i.e. the first electronic submission, since it is expected to be processed first.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

CobutW. Ssmond

Date: May 28,2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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Page 1 of 52

# ATTY. DOCKET NO. APPLICATION NO. 0942.4650001/RWE/THN 09/438,365 APPLICANT Chu et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP

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	AL								Yes No
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	AN3	AU 1	158,967	02/07/1952	Australia				Yes No
	A03	GB 8	392,413	03/28/1962	Great Britai	n			Yes No
	AP3		) 187 702 B1	07/16/1986					Yes No
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	AT	<u>6</u>	nucleic acids	for hybridi	'Monoadduct fo zation," <i>Chem</i> al Society (19	ical Abstra	ochemica acts 11	al reagents 1:385-386, <i>I</i>	for labeling
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

<u>SEVENTH\_SUPPLEMENTAL</u>

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4650001/RWE/THN

APPLICATION NO. 09/438,365

APPLICANT

Chu et al.

FILING DATE November 12, 1999 GROUP 1635

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	AL4	WO 8	37/02061 A1	04/09/1987	WIPO			Yes No
	AM4	WO 9	00/09786 A1	09/07/1990	WIPO			Yes No
	AN4	EP 0	304 111 B1	10/16/1991	Europe			Yes X No
	A04	WO 9	01/04668 Al	04/18/1991	WIPO			Yes X No
	AP4	WO 9	01/04753 A1	04/18/1991	WIPO			Yes No
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	AR	7	Gly-Asp Depen	ndent Binding	Cell Attachment Properties to its $\alpha 2  (\text{VI})$ and $\alpha 3  (\text{VI})$ ess, Inc. (1989)	es of Co I) Chair	ollagen Type ns," <i>Exp. Ce</i>	VI and Arg-
	AS	7	Barthel, F., et al., "Laboratory Methods: Gene Transfer Optimization with Lipospermine-Coated DNA," DNA Cell Biol. 12:553-560, Mary Ann Liebert, Inc. (1993)					
	АТ	2	Behr, J-P., "Synthetic Gene-Transfer Vectors," Acc. Chem. Res. 26:274-278, American Chemical Society (1993)					74-278,
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#### SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4650001/RWE/THN	APPLICATION NO. 09/438,365
APPLICANT Chu et al.	
FILING DATE November 12, 1999	GROUP 1635

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	AL5	WO 9	91/08191 A1	06/13/1991	WIPO			Yes No	
	AM5	WO S	91/07947 A1	06/13/1991	WIPO			Yes No	
	AN5	DD 2	290 877 A5	06/13/1991	Germany	ļ		Yes X No	
····	A05	WO 9	91/15501 A1	10/17/1991	WIPO			Yes No	
	AP5	WO 9	91/16024 Al	10/31/1991	WIPO			Yes No	
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	AR	<u>8</u>	oligonucleoti	ielinska, A., et al., "Regulation of in vitro gene expression using antisense ligonucleotides or antisense expression plasmids transfected using starburst AMAM dendrimers," Nucleic Acids Res. 24:2176-2182, Oxford University Press					
	AS	8	containing HI	onifaci, N., et al., "Nuclear translocation of an exogenous fusion protein ontaining HIV Tat requires unfolding," AIDS 9:995-1000, Rapid Science ublishers (1995)					
	АТ	<u>8</u>	Braunlin, W.H DNA," Bioploy	[., et al., " Tmers 21:1301	Equilibrium Dialysis Stu -1314, John Wiley & Sons	udies of	f Polyamine (1982)	Binding to	
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#### SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4650001/RWE/THN	APPLICATION NO. 09/438,365
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	AL6	WO 9	02/13570 A2	08/20/1992	WIPO				Ye X N
	AM6	WO 9	02/21752 A1	12/10/1992	WIPO				Ye N
	AN6	EP 0	359 347 B1	12/23/1992	Europe				Ye N
	A06	WO 9	2/22635 A1	12/23/1992	WIPO				Ye N
	AP6	WO 9	03/05162 A1	03/18/1993	WIPO				Ye N
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	AS	<u>9</u>	Caminati, G., et al., "Photophysical Investigation of Starburst Dendrimers and Their Interactions with Anionic and Cationic Surfactants," J. Am. Chem. Soc. 112:8515-8522, American Chemical Society (1990)						
	AT	Carrasco, L., "Modification of Membrane Permeability Induced by Animal Viruses AT 9 Early in Infection," <i>Virology 113</i> :623-629, Academic Press, Inc. (1981)							
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ATTY. DOCKET NO. 0942.4650001/RWE/THN

APPLICATION NO. 09/438,365

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FILING DATE GROUP November 12, 1999 1635

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	AL7	WO 9	3/07282 A1	04/15/1993	WIPO			Ye X N
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	AR	10			n, M., "Modification of Cells," <i>Virology 117</i> :62			
	AS	10	Ciccarone, V., et al., "Cationic liposome-mediated transfection of eukaryotic cells: High efficiency nucleic acid delivery with lipofectin <sup>®</sup> , lipofectace™, and lipofectamine™ reagents," FASEB J. 7:Al131, Abstract No. 454, Federation of American Societies for Experimental Biology (1993)					
	AT	10	Ciccarone, V., et al., "DMRIE-C reagent for transfection of suspension cells and for RNA transfections," Focus 17:84-87, Life Technologies, Inc. (1995)					
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SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4650001/RWE/THN	APPLICATION NO. 09/438,365
APPLICANT Chu et al.	,,
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INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL8	WO 9	94/04696 A1	03/03/1994	WIPO			Yes No	
	AM8	WO 9	94/05624 A1	03/17/1994	WIPO			Yes No	
	AN8	WO 9	94/23751 Al	10/27/1994	WIPO			Yes X No	
	A08	WO 9	95/02397 Al	01/26/1995	WIPO			Yes No	
	AP8	WO 9	95/21259 A1	08/10/1995	WIPO			Yes No	
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	AR	11	Citovsky, V., Plant Cells,"	Citovsky, V., et al., "Nuclear Localization of Agrobacterium VirE2 Protein in Plant Cells," Science 256:1802-1805, American Association for the Advancement of Science (1992)					
	AS	<u>11</u>	human leukemi transfected D	Cotten, M., et al., "Transferrin-polycation-mediated introduction of DNA into numan leukemic cells: Stimulation by agents that affect the survival of transfected DNA or modulate transferrin receptor levels," <i>Proc. Natl. Acad. Sci. USA 87</i> :4033-4037, National Academy Press (1990)					
	АТ	11	large (48 kil defective or	lobase gene c chemically i	a-efficiency receptor-med constructs using the endo nactivated adenovirus pa tional Academy Press (19	osome-di articles	isruption ac	ctivity of	
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#### APPLICATION NO. ATTY. DOCKET NO. 0942.4650001/RWE/THN 09/438,365 APPLICANT Chu et al.

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SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO. 0942.4650001/RWE/THN

November 12, 1999

APPLICATION NO. 09/438,365

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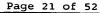




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	AS	<u>25</u>	Kalderon, D., et al., "A Short Amino Acid Sequence Able to Specify Nuclear Location," Cell 39:499-509, Cell Press (1984)						
	AT	<u>25</u>	Kamata, H., et al., "Amphiphilic peptides enhance the efficiency of liposome-mediated DNA transfection," Nucleic Acids Res. 22:536-537, Oxford University Press (1994)						
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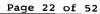
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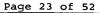
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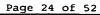
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	AR 32 Life Technologies 1993-1994 Catalog and Reference Guide, pp. 9-19 to 9-21, I-66, R-48 to R-51, Life Technologies, Inc. (1993)									
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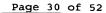




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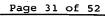




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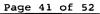




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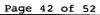
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#### SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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APPLICANT Chu et al.	
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Wagner, E., et al., "Transferrin-polycation conjugates as carriers for DNA uptake into cells," Proc. Natl. Acad. Sci. USA 87:3410-3414, National Academy Press (1990)								
	AS	<u>48</u>	Wagner, E., et al., "Influenza virus hemagglutinin HA-2 N-terminal fusogenic peptides augment gene transfer by transferrin-polylysine-DNA complexes: Toward a synthetic virus-like gene-transfer vehicle," Proc. Natl. Acad. Sci. USA 89:7934-7938, National Academy Press (1992)					
	AT	<u>48</u>	Wagner, E., et al., "DNA-Binding Transferrin Conjugates as Functional Gene- Delivery Agents: Synthesis by Linkage of Polylysine or Ethidium Homodimer to the Transferrin Carbohydrate Moiety," Bioconjug. Chem. 2:226-231, American Chemical Society (1991)					
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	Walker, C., et al., "Cationic lipids direct a viral glycoprotein into the class I major histocompatibility complex antigen-presentation pathway," Proc. Natl. Acad. Sci. USA 89:7915-7918, National Academy Press (1992)							
	AS	<u>49</u>	Wayner, E.A., et al., "Identification and Characterization of the T Lymphocyte Adhesion Receptor for An Alternative Cell Attachment Domain (CS-1) in Plasma Fibronectin," J. Cell Biol. 109:1321-1330, The Rockefeller University Press (1989)					
	AT	<u>49</u>	Weinstock, L.T., et al., "Synthesis of New Polyamine Derivatives for Cancer Chemotherapeutic Studies," J. Pharm. Sci. 70:956-959, American Pharmaceutical Association (1981)					
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	AS	<u>50</u>	Wilson, J.M., et al., "Hepatocyte-directed Gene Transfer in Vivo Leads to Transient Improvement of Hypercholesterolemia in Low Density Lipoprotein Receptor-deficient Rabbits," J. Biol. Chem. 267:963-967, The American Society for Biochemistry and Molecular Biology, Inc. (1992)					
	AT	<u>50</u>	Wolff, J.A., et al., "Direct Gene Transfer into Mouse Muscle in Vivo," Science 247:1465-1468, American Association for the Advancement of Science (1990)					
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#### SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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	AS	<u>52</u>	Yagi, K., et al., "Incorporation of Histone into Liposomes Increases the Efficiency of Liposome-Mediated Gene Transfer," J. Clin. Biochem. Nutr. 10:21-25, Institute of Applied Biochemistry (1991)					
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# SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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	AL12	WO 9	2/06200 A1	04/16/1992	WIPO			Ye: No
	AM12	WO 9	2/20697 A1	11/26/1992	WIPO			Ye:
	AN12	WO 9	3/03709 A1	03/04/1993	WIPO			Ye: No
	A012	WO 9	3/08130 A1	04/29/1993	WIPO			Ye: X No
	AP12	WO 9	3/19768 A1	10/14/1993	WIPO			Ye: No
		01	THER (Includin	g Author, Ti	tle, Date, Pertinent Pa	ges, etc	2.)	
	AR	<u>58</u>	Solutions of		Conformation and Therma nd Y-Aminobutyric Acid, 34)			
	AS	<u>58</u>	Distinguishe	s between Dec	w E. coli DNA Polymeraso oxy- and Dideoxynucleot (April 1998)			
	AT	<u>58</u>	Barnes, W.M. N-terminal d	, "The fideli eletion," <i>Ge</i> r	ty of <i>Taq</i> polymerase care 112:29-35, Elsevier s	atalyzin Science	g PCR is imp Publishers E	oroved by an 3.V. (1992)
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	AP13	•	94/17093 A1	08/04/1994	WIPO		<u> </u>		N
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	AR	<u>59</u>	Baskaran, N. Acids with V Laboratory P	arying GC Cor	niform Amplifi ntent," <i>Genome</i>	cation of Res. 6:63	a Mixtu 3-638,	re of Deoxyr Cold Spring	ribonucleic Harbor
	AS	<u>59</u>	Behr, J-P., Gene Therapy	"Gene Transfe ," Bioconjug.	er with Synthe . Chem. 5:382-	tic Cation 389, Ameri	ic Amph can Che	iphiles: Pro mical Societ	ospects for cy (1994)
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	AM14	WO 9	95/20682 A1	08/03/1995	WIPO				N
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	AN14	DE 4	14 11 588 C1	09/28/1995	Germany			X	No
	AO14	EP 0	<u>) 684 315 B1</u>	11/29/1995	Europe				Ye:
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	AP14	4	14 11 594 C1	12/14/1995	Germany			Х	No
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	AR	<u>60</u>	Peptide Inhil	bit Human Car	21 <sup>WAF1</sup> -derived Peptides acer Cell Growth," <i>Car</i> esearch (April 1997)				ın
	AS	<u>60</u>	HMG1 results	in efficient	ndensation of vector I transfection," <i>Bioch</i> ers B.V. (1988)				
	АТ	<u>60</u>	into cells in	n culture and	versatile vector for g d in vivo: Polyethyler d Academy Press (1995	imine," P	ligonucleoti roc. Natl. A	de transf Cad. Sci.	er
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	AM15	wo s	96/10640 A1	04/11/1996	WIPO			Ye N
	AN15	WO 9	96/29337 A1	09/26/1996	WIPO			Ye N
	A015	WO 9	96/32474 A1	10/17/1996	WIPO			Ye N
	AP15	WO 9	96/35706 A1	11/14/1996	WIPO			Ye N
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	AS	<u>61</u>	precipitation	n at physiolo	ne and other amino c gical ionic strength ers B.V. (1989)			
	AT	<u>61</u>			nic Osmotic Effectors 8:601-618, Adenine P			re," <i>J</i> .
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	AL16	WO 9	97/05265 Al	02/13/1997	WIPO			Yes No	
	AM16	WO 9	97/09451 A1	03/13/1997	WIPO			Yes No	
	AN16	EP 0	821 059 A2	01/28/1998	Europe			Yes No	
	A016	WO 9	08/06736 Al	02/19/1998	WIPO			Yes No	
	AP16	WO 9	98/32866 A1	07/30/1998	WIPO			Yes No	
		ro	THER (Including	g Author, Ti	tle, Date, Pertinent Pag	es, etc	.)		
	AR	Buche, A., et al., "Effect of Organic Effectors on Chromatin Solubility, DNA-Histone H1 Interactions, DNA and Histone H1 Structures," J. Biomol. Struct. & Dynam. 11:95-119, Adenine Press (1993)							
	AS	<u>62</u>	Betaine Trans	Cánovas, D., et al., "Osmoprotectants in Halomonas elongata: High-Affinity Betaine Transport System and Choline-Betaine Pathway," J. Bacteriol. 178:7221- 7226, American Society for Microbiology (1996)					
	AT	Cánovas, D., et al., "Isolation and Characterization of Salt-sensitive Mutants of the Moderate Halophile Halomonas elongata and Cloning of the Ectoine Synthesis Genes," J. Biol. Chem. 272:25794-25801, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997)							
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	AN17	wo	99/11809 A1	03/11/1999	WIPO				Ye N
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	A017	WO	99/24559 A2	05/20/1999	WIPO				N
	AP17		99/41410 A1	08/19/1999	WIPO				Yes
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	AR	<u>63</u>	Carninci, P., enzymes by tr	et al., "Th	ermostabiliza its application Sci. USA 95:52	tion and th	ermoact	civation of	length
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- 44	АТ	<u>63</u>	system based	on cotransfe ining a T7 a	-initiating evention of bacteutogene," Nucl	eriophage T	7 RNA p	olymerase a	nd DNA
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	AL18	WO 9	9/46400 A1	09/16/1999	WIPO			Yes No
	AM18	WO 0	00/58488 A2	10/05/2000	WIPO			Yes No
	AN18	WO 0	00/58488 A3	01/18/2001	WIPO			Yes No
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		ro	THER (Including	g Author, Tit	tle, Date, Pertinent Pag	es, etc	.)	
	AR  Cohen, J., "Naked DNA Points Way to Vaccines," Science 259:1691-1692, American Association for the Advancement of Science (1993)						92, American	
	AS Cotten, M., and Wagner, E., "Non-viral approaches to gene therapy," Curr. Opin Biotechnol. 4:705-710, Current Biology, Ltd. (1993)						' Curr. Opin.	
	Deamer, D.W., and Uster, P.S., "Liposome Preparation: Methods and Mechanisms," in Liposomes, Marc J. Ostro, ed., Marcel Dekker, Inc., New York, NY, pp.27-51 (1983)							
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	AS	<u>65</u>	Elliot, G., and O'Hare, P., "Intercellular trafficking of VP22-GFP fusion proteins," Gene Ther. 6:149-151, Stockton Press (January 1999)					fusion
	АТ	<u>65</u>	Felgner, P.L. 11:21-25, Lif	, and Holm, e Technologi	M., "Cationic Liposome-N es, Inc. (1989)			on," Focus
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	AS	<u>66</u>	Flaman, J-M., et al., "A rapid PCR fidelity assay," Nucleic Acids Res. 22:3259 3260, Oxford University Press (1994)					Res. 22:3259-
	АТ	<u>66</u>	Flock, S., et Precipitation Adenine Press	n of DNA by M	tic Effectors and DNA St $^{\prime\prime}$ Multivalent Cations $^{\prime\prime}$ $J.$	ructure Biomol.	: Effect of Struct. Dyr	Glycine on 1. 13:87-102,
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	AR	Flock, S., et al., "Dielectric Constant and Ionic Strength Effects on DNA Precipitation," Biophys. J. 70:1456-1465, Biophysical Society (1996)						
	AS	<u>67</u>	Flock, S., et al., " $^{23}$ Na NMR Study of the Effect of Organic Osmolytes on DNA Counterion Atmosphere," Biophys. J. 71:1519-1529, Biophysical Society (1996)					
	АТ	<u>67</u>	Foecking, M.K., and Hofstetter, H., "Powerful and versatile enhancer-promoter unit for mammalian expression vectors," <i>Gene 45</i> :101-105, Elsevier Science Publishers B.V. (1986)					
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## EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4650001/RWE/THN	APPLICATION NO. 09/438,365
APPLICANT Chu et al.	
FILING DATE November 12, 1999	GROUP 1635

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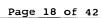
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APPLICANT Chu et al.	
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APPLICANT Chu et al.					
FILING DATE November 12, 1999	GROUP 1635				

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APPLICANT Chu et al.					
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ATTY. DOCKET NO. 0942.4650001/RWE/THN	APPLICATION NO. 09/438,365
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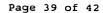




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APPLICANT Chu et al.	
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